

CLAIMS:

1. An apparatus for producing hydrophobic silica fine powder, comprising:

a means for pyrolyzing a silane compound to form silica
5 fine powder,

a means for agglomerating the silica fine powder,

a first cyclone and a first filter for collecting the
agglomerated silica fine powder,

a fluidization vessel having a hydrophobizing section
10 for hydrophobizing the collected silica fine powder, and

a second cyclone and a second filter for collecting
hydrophobic silica fine powder which flies out of the
fluidization vessel, which second cyclone and second filter
can each be held at a temperature of 100 to 500°C.

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